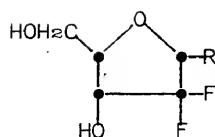


*OM*  
I claim:

1. A nucleoside of the formula

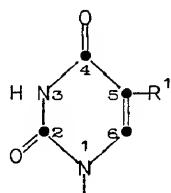
*T0490X*  
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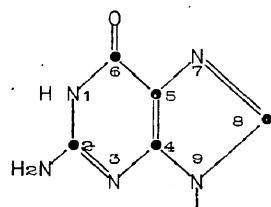
*PSC*  
wherein R is a base ~~or one of the formulae~~ selected from the group consisting of

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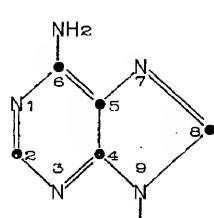
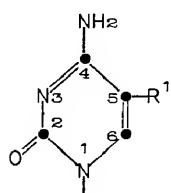
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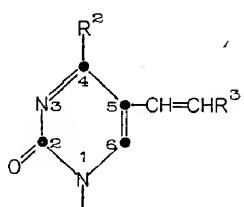
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PS  
PO  
*B*  
L

wherein

R<sup>1</sup> is hydrogen, methyl, bromo, fluoro, chloro or iodo;

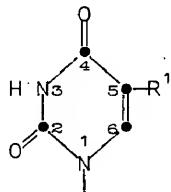
5 R<sup>2</sup> is hydroxy or amino;

R<sup>3</sup> is hydrogen, bromo, chloro or iodo.

2. A nucleoside of claim 1, wherein the carbohydrate moiety is in the ribose form.

3. A nucleoside of claim 2 wherein the base is of the formula

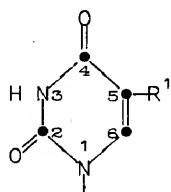
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4. A nucleoside of claim 1 wherein the base is of the formula

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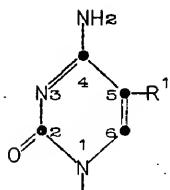


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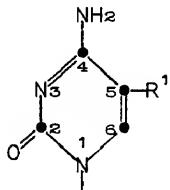
5. A nucleoside of claim 4 wherein R<sup>1</sup> is methyl.

6. A nucleoside of claim 3 wherein R<sup>1</sup> is methyl.

7. A nucleoside of claim 1 wherein the base  
is of the formula



10 8. A nucleoside of claim 2 wherein the base  
is of the formula



20 9. A nucleoside of claim 7 wherein R<sup>1</sup> is  
iodo.

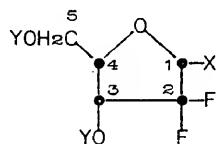
10. A nucleoside of claim 8 wherein R<sup>1</sup> is  
iodo.

*N* 11. A method of treating viral infections in  
mammals comprising administering to a mammal in need of  
such treatment an effective amount of a compound of  
claim 1.

25 12. A pharmaceutical composition comprising a  
compound of claim 1 and a pharmaceutically-acceptable  
carrier, diluent or excipient therefor.

13. A difluoro-desoxy carbohydrate of the formula

5



10 wherein X is hydroxy or a leaving group; and the Y groups independently are hydrogen or hydroxy-protecting groups.

14. A carbohydrate of claim 13 which is in the ribose form.

15. A carbohydrate of claim 14 wherein X is hydroxy.

16. A carbohydrate of claim 13 wherein X is hydroxy.

17. A carbohydrate of claim 15 wherein Y is hydrogen.

20 18. A carbohydrate of claim 16 wherein Y is hydrogen.

19. A carbohydrate of claim 13 wherein X is a sulfonate leaving group.

25 20. A carbohydrate of claim 14 wherein X is a sulfonate leaving group.

21. A carbohydrate of claim 19 wherein Y is a silyl hydroxy-protecting group.

22. A carbohydrate of claim 20 wherein Y is a silyl hydroxy-protecting group.

*add  
B27*